

**PUBLIC SAFETY DEPARTMENT[661]**

**Adopted and Filed**

Pursuant to the authority of Iowa Code section 100.1, the State Fire Marshal in the Department of Public Safety hereby amends Chapter 200, "Fire Marshal Administration," Chapter 201, "General Fire Safety Requirements," Chapter 202, "Requirements for Specific Occupancies," and Chapter 210, "Smoke Detectors," Iowa Administrative Code

The State Fire Marshal in the Department of Public Safety is authorized to adopt administrative rules, according to Iowa Code section 100.1(5). The amendments implement the policy of adopting fire code provisions that are consistent with the building code provisions provided in the most recent editions in the code cycle. A similar policy has been used with regard to plumbing and mechanical codes. The most recent editions of the codes used in the construction industry reflect current industry standards and promote consistency in the regulations affecting the construction industry.

Amendments consistent with the 2015 International Fire Code (IFC) are adopted because the 2015 IFC is the most recent edition of industry standards and because the adoption promotes consistency of governing codes, eases the burden of planning, constructing, and maintaining buildings, and meets the business needs of the building industry while also meeting the expectations and needs of the public who use these buildings. The adoption of the 2015 IFC assists businesses, individuals and the construction industry by streamlining construction requirements in the state. Informal meetings have been held with stakeholders in the construction industry, who have supported the adoption of the most recent edition of the IFC.

Notice of Intended Action was published in the Iowa Administrative Bulletin on November 25, 2015, as **ARC 2266C**. A public hearing was held on January 5, 2016, in Room 125 of the Oran Pape State Office Building, Des Moines, Iowa. Two additional public hearings were held, one on January 7, 2016, in Stockton, Iowa, and one on January 8, 2016, in Council Bluffs, Iowa. The following comments were received at the public hearing:

A written comment was received from Chief John-Paul Schilling, President, Iowa Association of Professional Fire Chiefs (IAPFC). The Association advised that it stands adamantly opposed to changing the requirement for dual sensor smoke alarms. The Association's position is that changing from a requirement for dual sensor smoke alarms to single sensor alarms with a 10 year sealed battery would reduce the level of protection afforded by the dual sensor. The Association cited a study conducted by the National Institute of Standards and Technology. The Institute conducted full-scale testing of single sensor "ionization" alarms, single sensor "photoelectric" alarms, and dual sensor "ionization/photoelectric" alarms. The conclusion of the study showed that the dual sensor alarms alerted significantly faster than the single sensor alarms. The Association's comment further advised that over the past several years, the state of Iowa has maintained the requirement of dual sensor smoke alarms, and the vast majority of municipal and county agencies have followed the state's lead. The state and many local agencies have invested tens of thousands of dollars from grants, donations, and public funds in purchasing dual sensor alarms to be placed in the homes of thousands of Iowa residents. The comment noted that for almost all residential structures in Iowa, smoke alarms are the only protection afforded to occupants. Eliminating the requirement for dual sensor smoke alarms would be contrary to the State Fire Marshal's goal to reduce the loss of life and property from fire. The comment concluded with the IAPFC's requesting that the State Fire Marshal reevaluate the proposed change to the rule.

A comment was received from John Lund, representing the Iowa Fire Marshal Association. The Iowa Fire Marshal Association's position is that the requirement for dual sensor smoke alarms for residential use should remain. Mr. Lund said that there are a number of studies produced by Vision 20/20, which is a national coalition for fire prevention. Those studies show that there is no way to predict what type of fire may happen. For that reason, having the multiple forms of detection that dual sensor alarms provide gives occupants the fastest notice in the event of a fire.

Comments were received from Larry Wohlers, the fire marshal for the City of Council Bluffs, Iowa, and Steven Carmichael, chief building official for the City of Council Bluffs. The commenters stated support for the requirement for dual sensor smoke detectors and were opposed to the portion of the proposed rules that would change that requirement. Mr. Wohlers commented that the City of Council Bluffs has an inspection program for rental housing and worked with landlords to implement dual sensor smoke alarms in their properties. Mr. Wohlers spoke of the benefits of dual sensor smoke detectors and that there would be a negative burden on landlords if a change was made to require a 10 year sealed battery.

In response to the above comments, State Fire Marshal Jeffrey Quigle advised that he had spoken with Chief Schilling, and after doing some research, including reviewing the Vision 20/20 document, and after listening to the concerns of the Iowa Association of Professional Fire Chiefs and the other comments presented, that the portion of the rule that would change from dual sensor smoke alarms to single sensor with a 10 year sealed battery would not be adopted.

Comments were received from Mr. Wohlers and Mr. Carmichael, asking to verify whether 903.2.8 Group R automatic sprinkler systems would not include one- and two-family dwellings. The proposed amendments appear to require that all ‘R’ occupancies would require that fire suppression or fire sprinklers be installed. According to Mr. Carmichael, the International Fire Code (IFC) states that all ‘R’ occupancies are exempt, except for one- and two-family dwellings. In order for local jurisdictions to create the exemptions, a lot of the local jurisdictions have used the language that the state put into the amendment that exempted one- and two-family dwellings from sprinkler systems. If that language is not included, it will fall on the local jurisdictions to have to make that amendment locally, which would be very hard to do without the state’s amendment. No one has had to install residential sprinklers throughout the period of time that that has been a mandate of the code because that has always been exempted out.

In response to these comments, the Building Code Commissioner advised that one- and two-family dwellings are not ‘R’ occupancies under the IRC, IFC, and IBC, and the exemption is already in the amendments to the rules for the adoption of the International Building Code in rule 661—301.8(103A). For clarification, a sentence that clearly references rule 661—301.8(103A), which deletes Section R302.2 of the International Residential Code, is added to rule 661—201.2(100).

A comment was received from Mr. Wohlers that the 1103.7.1 existing Group ‘E’ occupancies with emergency voice alarm communications systems would have a grace period for implementation for existing schools. The exception to the rule sets limits that are mainly based on size.

The State Fire Marshal adopted these amendments on February 4, 2016, with the following changes and additions:

In Item 3, in rule 661—201.2(100), introductory paragraph, a reference to rule 661—301.8(103A) was added in order to clarify the residential construction requirements as they relate to the adoption of the International Fire Code.

In Item 3, in paragraph 201.2(1)“j,” the phrase “in all new or existing Group E occupancies” was added after the word “areas.”

In Item 3, paragraph 201.2(1)“p” was not adopted, and paragraphs 201.2(1)“q” to “z” were relettered as “p” to “y.” In relettered paragraph “p,” the phrase “when the alarm has been used for ten years or more” has been changed to “in accordance with the manufacturer’s instructions.”

In Item 4, the proposed language in rule 661—201.3(100) was not adopted, and the reference to 661—Chapter 504 was inserted in lieu of the proposed language. The first sentence of rule 661—201.3(100) now reads as follows: “The provisions of the state electrical code, as adopted and amended in 661—Chapter 504, are hereby adopted by reference as the requirements for electrical installations.”

In proposed Item 11, the definition for “dual sensor smoke detector” in rule 661—210.1(100) was proposed to be rescinded. However, the definition has not been rescinded, and Item 12 has been renumbered as Item 11. Also in renumbered Item 11, in the phrase “smoke detector,” the word “detector” was changed to “alarm” where appropriate.

In Item 11, the amendments to subrules 210.3(1) and 210.3(3) regarding single-station smoke alarms with 10 year nonreplaceable batteries were not adopted.

In Item 11, in subrule 210.3(6), the phrase “in accordance with the manufacturer’s instructions” was added after the word “replaced.”

Rules regarding the fire code are subject to the waiver provisions of rule 661—10.222(17A). The Commissioner of Public Safety and the State Fire Marshal do not have authority to waive requirements established by statute, according to Iowa Code sections 100.1(5) and 103A.7.

After analysis and review of this rule making, there should be a positive impact on jobs. The State Fire Marshal will continue to work with stakeholders to maximize this rule making’s positive impact on jobs. Any fiscal impact is expected to be minimal and less than \$100,000 annually or \$500,000 during the next five years.

These amendments are intended to implement Iowa Code section 100.1(5).

These amendments will become effective May 18, 2016.

The following amendments are adopted.

ITEM 1. Amend rule 661—200.3(100) as follows:

**661—200.3(100) Building plan approval and plan review fees.** Plans for the proposed construction of certain new buildings or additions, alterations or changes to existing buildings require the approval of the fire marshal and shall be submitted to the building code bureau.

**200.3(1)** Plans for initial construction or alterations, changes, additions, renovations or remodeling of the following shall be submitted to the building code bureau, unless the plans have been submitted to a local fire or building department for approval based upon compliance with the rules of the fire marshal or a local fire ordinance recognized in rule 661—~~201.4(100)~~ 201.5(100):

a. to c. No change.

d. Any correctional facility, or

e. Any gaming facility;

**200.3(2)** Plans for initial construction or alterations, changes, additions, renovations or remodeling of the following shall be submitted to the building code bureau for approval based upon compliance with rules of the fire marshal:

~~f.~~ a. Any facility housing an adult day service,

~~g.~~ b. Any assisted living facility,

~~h.~~ c. Any residential care facility, ~~or~~

~~i.~~ d. Any elder group home; or

e. Any facility owned by the state or an agency of the state.

~~200.3(3)~~ **200.3(3)** Plans for initial construction or alterations, changes, additions, renovations or remodeling of any building or facility subject to the provisions of 661—Chapter 205 shall be submitted to the building code bureau.

~~200.3(3)~~ **200.3(4)** Building plan submittals.

a. No change.

b. *Shop drawings.* Shop drawings, equipment specifications and supporting documentation for fire alarm and sprinkler systems shall be submitted for review and approval and signed by a responsible managing employee licensed in accordance with Iowa Code chapter 100C. If the system is being installed as part of a project which has been designed by an engineer or architect, the submittal shall be approved by the responsible architect or engineer prior to submittal to the fire marshal. Each submittal shall be examined, and the submitter shall be notified of the findings. Only one copy of shop drawings, equipment specifications and supporting documentation is required. Staff of the building code bureau shall send a letter of approval to the submitter in lieu of returning approved shop drawings.

c. No change.

~~200.3(4)~~ **200.3(5)** If the blueprints and specifications are not acceptable, the building code bureau shall notify the submitter of the deficiencies and request that the submitter either forward changes or request a review of the blueprints and specifications with the building code bureau.

~~200.3(5)~~ **200.3(6)** If, after such review, the submitter disputes the findings of the plan reviewer, the submitter may request that the disputed questions be reviewed by the building code commissioner and the chief of the fire prevention bureau.

~~200.3(6)~~ **200.3(7)** If the submitter disputes the findings of the building code commissioner and the chief of the fire prevention bureau, the submitter may appeal to the fire marshal under the provisions of rule 661—200.2(100).

~~200.3(7)~~ **200.3(8)** 661—subrule 300.4(2), paragraphs “b” and “c,” are adopted by reference.

NOTE: 661—subrule 300.4(2) establishes fees for plan reviews.

~~200.3(8)~~ **200.3(9)** The responsible design professional for a project shall schedule a preliminary meeting with the building code bureau to discuss code compliance issues early in the design development phase. The responsible design professional shall contact the bureau to schedule the preliminary meeting. There is no separate fee for a preliminary meeting. If the responsible design professional plans to request approval to bid the project as part of the preliminary meeting, the responsible design professional shall request a copy of the document “Preliminary Meeting Checklist” at the time the meeting is scheduled and shall be prepared to address all applicable issues identified on the checklist at the preliminary meeting. Approval to bid the project shall not be given unless all applicable issues identified on the checklist have been addressed to the satisfaction of the state fire marshal or the state fire marshal’s designee.

~~200.3(9)~~ **200.3(10)** A construction project that is subject to a provision of this chapter or 661—Chapter 201 that requires compliance with a provision of the ~~2009~~ 2015 edition of any code published by the International Code Council may comply with either the current requirements of this chapter and 661—Chapter 201 or the provisions of this chapter and 661—Chapter 201 as they applied prior to ~~January 1, 2010~~ July 1, 2016, if construction has commenced on or prior to ~~March 31, 2010~~ September 30, 2016. “Commenced” means the submitter has received preliminary approval of the plans. If a construction project receives preliminary approval based upon the provisions of this chapter and 661—Chapter 201 as they applied prior to ~~January 1, 2010~~ July 1, 2016, then final approval must be received on or prior to ~~September 30, 2010~~ December 31, 2016.

ITEM 2. Amend paragraph **200.4(7)“a”** as follows:

a. The inspection fee for a ~~hospital or health care facility~~ licensed or seeking licensure pursuant to Iowa Code chapter ~~135B or 135C~~ or a group home licensed or seeking licensure in this state is \$2.50 per bed.

ITEM 3. Amend rule 661—201.2(100) as follows:

**661—201.2(100) General provisions.** The following publications or indicated portions thereof are hereby adopted by reference as general fire safety requirements and shall apply to all occupancies other than those to which provisions specific to an occupancy explicitly exclude these provisions or any individual provision contained therein. Additionally, refer to rule 661—301.8(103A).

**201.2(1)** International Fire Code, ~~2009~~ 2015 edition, published by the International Code Council, ~~5203 Leesburg Pike, Suite 600, Falls Church, VA 22041~~ 1500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001, with the following amendments:

a. to e. No change.

f. Delete section ~~315.2.3~~ 315.3.3 and insert in lieu thereof the following new section:

~~315.2.3~~ **315.3.3 Equipment Rooms.** Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms or in fire command centers as specified in Section 508.1.5.

Exception: In sprinklered equipment rooms that have sufficient space to allow a minimum of 10 feet between all combustible storage and the heating, mechanical or electrical equipment in the room.

g. Delete section 405.2 and table 405.2 and insert in lieu thereof the following new section and new table:

**405.2 Frequency.** Required emergency evacuation drills shall be held at the intervals specified in Table 405.2 or more frequently where necessary to familiarize all occupants with the drill procedure.

**TABLE 405.2**  
**FIRE AND EVACUATION DRILL FREQUENCY AND PARTICIPATION**

GROUP OR OCCUPANCY	FREQUENCY	PARTICIPATION
Group A	Quarterly	Employees
Group B <sup>(c)</sup>	Annually	Employees
Group E	See (a) below	All occupants
Group I	Quarterly on each shift	Employees
Group I-1 <sup>(b)</sup> and Group R-4 (assisted living facilities)	Quarterly	All occupants
Group R-1	Quarterly on each shift	Employees
Group R-2 <sup>(d)</sup>	Four annually	All occupants
High-rise	Annually	Employees

Footnotes:

(a) ~~The frequency shall be allowed to be modified in accordance with Section 408.3.2.~~ Fire and severe weather drills shall be conducted in accordance with Iowa Code chapter 100. In severe climates, the fire code official shall have the authority to modify the emergency evacuation drill frequency.

(b) Fire and evacuation drills in assisted living facilities shall include complete evacuation of the premises in accordance with ~~Section 408.10.5~~ 403.10.3.6. Drills shall be conducted not less than six times per year on a bimonthly basis, with not less than two drills conducted during the night when residents could reasonably be expected to be sleeping. The drills shall be permitted to be announced in advance to the residents. Where occupants receive habilitation or rehabilitation training, fire prevention and fire safety practices shall be included as part of the training program.

(c) Group B buildings that have an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.

(d) Applicable to Group R-2 college and university buildings in accordance with Section 408.3.

*h.* ~~Delete section 609.1 and insert in lieu thereof the following new section:~~

**609.1 General.** ~~Commercial kitchen exhaust hoods shall comply with the requirements of National Fire Protection Association (NFPA) 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2004 edition.~~

*i.* ~~Delete section 807.4.3.1 and insert in lieu thereof the following new section:~~

**807.4.3.1 Storage in corridors and lobbies.** ~~Clothing and personal effects shall not be stored in corridors and lobbies.~~

Exceptions:

1. ~~Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1.~~

2. ~~Storage in metal lockers, provided the minimum required egress width is maintained.~~

*h.* ~~Delete section 807.5.2.1 and insert in lieu thereof the following new section:~~

**807.5.2.1 Storage in corridors and lobbies.** Clothing and personal effects shall not be stored in corridors and lobbies.

Exceptions:

1. Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1.

2. Storage in metal lockers, provided the minimum required egress width is maintained.

*i.* ~~Delete section 903.2.8 and insert in lieu thereof the following new section:~~

**903.2.8 Group R.** An automatic sprinkler system installed in accordance with section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exception: Cabin buildings that are located in remote areas without a sufficient municipal water supply for design of a fire sprinkler system and that meet all of the following:

1. Not more than one story.

2. Not more than 750 square feet in floor area.
3. Fuel-fired heating equipment and other fuel-fired appliances are separated from sleeping areas by a one-hour fire-rated assembly.
4. Provided with fire alarm and smoke alarm systems as required by Section 907 for R-1 occupancies.
5. Basements are not allowed.
6. Maintain a fire separation of 20 feet from any other building or structure.
7. Comply with all applicable requirements of this Code.
- j. Delete section 906.1 and insert in lieu thereof the following new section:  
**906.1 Where Required.** Portable fire extinguishers shall be installed in the following locations:
  1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.
  2. Within 30 feet (9144 mm) of commercial cooking equipment.
  3. In areas where flammable or combustible liquids are stored, used or dispensed.
  4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1.
  5. Where required by the sections indicated in Table 906.1.
  6. Special hazard areas, including but not limited to laboratories, computer rooms and generator rooms.
- k. Add the following new paragraph to section 907.2.2:
  4. The Group B fire area that contains an educational occupancy for students above the twelfth grade with an occupant load of greater than 50 persons.
- l. j. Delete section 907.2.3 and insert in lieu thereof the following new section:  
**907.2.3 Group E.** In the absence of a complete automatic sprinkler system, a complete automatic detection system utilizing an emergency voice/alarm communication system shall be installed throughout the entire Group E occupancy. A Group E occupancy with a complete automatic sprinkler system shall be provided with a fire alarm system with a minimum of corridor smoke detection, at a maximum spacing of 30 feet on center, and heat or smoke detection in any hazardous or nonoccupied areas utilizing an emergency voice/alarm communication system in compliance with Section 907.5.2.2 and installed in accordance with Section 907.6. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. As a minimum, smoke detection shall be provided in corridors at a maximum spacing of 30 feet on center, and heat or smoke detection shall be provided in any hazardous or nonoccupied areas in all new or existing Group E occupancies.  
Exceptions:
  1. Group E occupancies with an occupant load of less than 50.
  2. Manual fire alarm boxes are not required in Group E occupancies where all of the following apply:
    - 2.1. Interior corridors are protected by smoke detectors with alarm verification.
    - 2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat detectors or other approved detection devices.
    - 2.3. Shops and laboratories involving dusts or vapors are protected by heat detectors or other approved detection devices.
    - 2.4. Off-premises monitoring is provided.
    - 2.5. The capability to activate the evacuation signal from a central point is provided.
    - 2.6. In buildings where normally occupied spaces are provided with a two-way communication system between such spaces and a constantly attended receiving station from which a general evacuation alarm can be sounded, except in locations specifically designated by the fire code official.
  3. Manual fire alarm boxes shall not be required in Group E occupancies where the building is equipped throughout with an approved automatic sprinkler system, the notification appliances will activate on sprinkler water flow, and manual activation is provided from a normally occupied location.
  4. Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with

occupant loads of 100 or less, provided that activation of the fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.

~~m.~~ Add the following new section 1003.8:

**1003.8 Location of Preschool through Second Grade Students.** In Group E occupancies, rooms normally occupied by preschool, kindergarten or first grade students shall not be located above or below the level of exit discharge. Rooms normally occupied by second grade students shall not be located more than one story above the level of exit discharge.

~~k.~~ Add the following new section 1003.8:

**1003.8 Frost protection.** Exterior landings at doors shall be provided with frost protection.

~~l.~~ Add the following new section 1028.6:

**1028.6 Exit discharge pathways.** Exit discharge pathways shall be paved from all required exits of a building to a public way or parking lot.

~~n. m.~~ Delete section ~~1028.1.1~~ 1029.1.1 and insert in lieu thereof the following new section:

**1028.1.1 1029.1.1** Bleachers, grandstands, and folding and telescopic seating that are not building elements shall comply with ICC-300, Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, 2007 2012 edition, with the following amendments to ICC-300:

(1) and (2) No change.

~~n.~~ Delete section 1103.7.1 and insert in lieu thereof the following new section:

**1103.7.1** Existing Group E occupancies shall be provided with a fire alarm system utilizing an emergency voice/alarm communication system in compliance with Section 907.5.2.2 and installed in accordance with Section 907.6. As a minimum, smoke detection shall be provided in corridors at a maximum spacing of 30 feet on center, and heat or smoke detection shall be provided in any hazardous or nonoccupied areas.

Exceptions:

1. A building with a maximum area of 1,000 square feet that contains a single classroom and is located no closer than 50 feet from another building.

2. Group E occupancy with an occupant load of less than 50.

3. Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that the activation of the fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.

~~o.~~ Delete section 1103.8 and insert in lieu thereof the following new section:

**1103.8 Single- and multiple-station smoke alarms.** Single- and multiple-station smoke alarms shall be installed in existing Group I-1 and R occupancies in accordance with Sections 1103.8.1 through 1103.8.4.

~~p.~~ Add the following new section 1103.8.4:

**1103.8.4 Smoke alarm service life.** Single-station battery-operated smoke alarms shall be replaced in accordance with the manufacturer's instructions.

~~q. g.~~ Amend any reference to any section within chapter ~~22~~ 23 to read as a reference to "Chapter ~~22~~ 23."

~~r. r.~~ Delete chapter ~~22~~ 23 and insert in lieu thereof the following new chapter:

#### CHAPTER ~~22~~ 23

#### MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

#### SECTION ~~2201~~ 2301

#### GENERAL

**~~2201.1~~ 2301.1** Motor fuel-dispensing facilities and repair garages shall comply with the applicable provisions of 661—Chapter 221.

~~s. s.~~ Amend any reference to any section within chapter ~~34~~ 57 to read as a reference to "Chapter ~~34~~ 57."

~~t. t.~~ Delete chapter ~~34~~ 57 and insert in lieu thereof the following new chapter:

#### CHAPTER ~~34~~ 57

#### FLAMMABLE AND COMBUSTIBLE LIQUIDS

## **SECTION ~~3401~~ 5701**

### **GENERAL**

**~~3401.1~~ 5701.1** Transportation, storage, handling, and use of flammable and combustible liquids shall comply with the applicable provisions of 661—Chapter 221.

~~s. u.~~ Amend any reference to any section within chapter ~~38~~ 61 to read as a reference to “Chapter ~~38~~ 61.”

~~t. v.~~ Delete chapter ~~38~~ 61 and insert in lieu thereof the following new chapter:

### **CHAPTER ~~38~~ 61**

### **LIQUEFIED PETROLEUM GASES**

## **SECTION ~~3801~~ 6101**

### **GENERAL**

**~~3801.1~~ 6101.1** Transportation, storage, handling, and use of liquefied petroleum gases shall comply with the applicable provisions of 661—Chapter 226.

~~u.~~ Delete section ~~4603.6.1~~ and insert in lieu thereof the following new section:

**~~4603.6.1~~** Existing Group E occupancies shall be provided with a fire alarm system with a minimum of corridor smoke detection, at a maximum spacing of 30 feet on center, and heat or smoke detection in any hazardous or nonoccupied areas. Where smoke or heat detectors are installed, such detectors shall be connected to the building fire alarm system.

Exceptions:

1. A building with a maximum area of 1,000 square feet that contains a single classroom and is located no closer than 50 feet from another building.

2. Group E occupancy with an occupant load of less than 50.

~~w.~~ Any reference to NFPA 10 is amended to read as follows:

NFPA 10 with the following amendment:

Delete sections 7.1.2.1, 7.1.2.2, and 7.1.2.3 and insert in lieu thereof the following new sections:

7.1.2.1 A trained person who has undergone the instructions necessary to reliably perform maintenance and has the manufacturer’s service manual shall service the fire extinguishers not more than one year apart, as outlined in Section 7.3.

7.1.2.2\* Maintenance, servicing, and recharging shall be performed by trained persons who have available the appropriate servicing manual(s), the proper types of tools, recharge materials, lubricants, and manufacturer’s recommended replacement parts or parts specifically listed for use in the fire extinguisher.

NOTE: Requirements in NFPA 10 for certification of personnel who maintain portable fire extinguishers are removed. These personnel must still be trained and have available service manuals.

~~x.~~ Adopt Appendices B, C, and D.

~~y.~~ Amend references in chapter 80 as follows:

(1) Delete all references to the “International Plumbing Code” and insert in lieu thereof “state plumbing code.”

(2) Delete all references to the “International Fuel Gas Code” and insert in lieu thereof “rule 661—301.9(103A).”

(3) Delete all references to the “International Mechanical Code” and insert in lieu thereof “state mechanical code.”

(4) Delete all references to the “International Building Code” and insert in lieu thereof “rule 661—301.3(103A).”

(5) Delete all references to the “International Residential Code” and insert in lieu thereof “rule 661—301.8(103A).”

**201.2(2)** The following chapters and sections of the International Building Code, 2009 2015 edition, published by the International Code Council, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041 500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001, as amended by rule 661—301.3(103A).

a. to g. No change.



ITEM 4. Amend rule 661—201.3(100) as follows:

**661—201.3(100) Electrical installations.** ~~Electrical installations shall comply with the provisions of NFPA 70, National Electrical Code, 2011 edition, with the following amendments: The provisions of the state electrical code, as adopted and amended in 661—Chapter 504, are hereby adopted by reference as the requirements for electrical installations.~~

**201.3(1)** ~~Add the following exceptions to section 210.8, paragraph (A), subparagraph (2):~~

~~a. Exception No. 1 to (2): Receptacles that are not readily accessible.~~

~~b. Exception No. 2 to (2): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord and plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).~~

~~c. Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).~~

**201.3(2)** ~~Add the following exceptions to section 210.8, paragraph (A), subparagraph (5):~~

~~a. Exception No. 2 to (5): Receptacles that are not readily accessible.~~

~~b. Exception No. 3 to (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord and plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).~~

~~c. Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).~~

This rule is intended to implement Iowa Code chapter 100.

ITEM 5. Amend rule 661—201.4(100) as follows:

**661—201.4(100) Existing buildings or structures.** Additions or alterations to any building or structure shall comply with the requirements of this chapter for new construction. Additions or alterations shall not be made to an existing building or structure that will cause the existing building or structure to be in violation of any provisions of 661—Chapter 201. An existing building plus additions shall comply with the height and area provisions of Chapter 5 of the International Building Code, ~~2009~~ 2015 edition. Portions of the structure not altered and not affected by the alteration are not required to comply with the requirements established in 661—Chapter 201 for a new structure.

ITEM 6. Amend rule 661—201.5(100) as follows:

**661—201.5(100) Recognition of local fire ordinances and enforcement.** With the exception of a health care facility subject to the requirements of 661—Chapter 205, a building, structure, or facility shall be deemed to be in compliance with the requirements established in rules of the fire marshal if all of the following conditions are met:

1. The building, structure, or facility is in a local jurisdiction which has adopted a local fire ordinance which adopts by reference any edition of the International Fire Code, published by the International Code Council, ~~5203 Leesburg Pike, Suite 600, Falls Church, VA 22041~~ 1500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001; any edition of NFPA 1, Uniform Fire Code, published by the National Fire Protection Association; or the Uniform Fire Code, 1997 edition, published by the Western Fire Chiefs Association.

2. to 4. No change.

Notwithstanding any conflicting provisions contained in any code adopted by reference in this chapter or by any local fire ordinance, compliance with the provisions of 661—Chapter 221 is required at any location or facility in which flammable or combustible liquids are stored, handled, or used, other than incidental use.

ITEM 7. Amend rule 661—202.1(100) as follows:

**661—202.1(100) Scope.** The provisions of this chapter apply solely to buildings, structures, and facilities currently being used and those being proposed to be used in the specific ways described in

this chapter. All other buildings, structures, and facilities in which people congregate are subject to the provisions of 661—Chapter 201 or 661—Chapter 205.

This rule is intended to implement Iowa Code chapter 100.

ITEM 8. Rescind and reserve rule **661—202.2(237)**.

ITEM 9. Rescind and reserve rule **661—202.3(137C)**.

ITEM 10. Amend rule 661—202.5(100,135C) as follows:

**661—202.5(100,135C) General requirements for small group homes (specialized licensed facilities) licensed pursuant to Iowa Code section 135C.2 and for facilities in which foster care is provided by agencies to fewer than six children pursuant to Iowa Code chapter 237.**

**202.5(1) Scope.** This rule applies to specialized facilities licensed under the provisions of Iowa Code section 135C.2 which have three to five beds and serve persons with ~~mental retardation~~ intellectual disabilities, chronic mental illness, developmental disabilities, or brain injuries. This rule shall also apply to facilities in which foster care is provided by agencies to fewer than six children pursuant to Iowa Code chapter 237.

**202.5(2) to 202.5(14)** No change.

This rule is intended to implement Iowa Code section 135C.2, subsection 5, paragraph “b-” and Iowa Code section 237.3, subsection 3.

ITEM 11. Amend rule 661—210.3(100) as follows:

**661—210.3(100) General requirements.**

**210.3(1)** Approved single-station smoke ~~detectors~~ alarms shall be acceptable in all areas covered by this chapter, unless other fire warning equipment or materials are required by any provision of 661—Chapter 201, 202, or 205 or if a commercial grade smoke detection system has been installed. Any ~~single-station~~ single-station smoke ~~detector~~ alarm installed on or after April 1, 2010, in compliance with this subrule, including a replacement of an existing ~~detector~~ alarm, shall be a dual sensor smoke ~~detector~~ alarm. If sufficient dual sensor smoke ~~detectors~~ alarms have been installed to comply with the requirements of this chapter, additional smoke ~~detectors~~ alarms which may be other than dual sensor ~~detectors~~ alarms may be installed.

**210.3(2)** Any installation of wiring and equipment shall comply with NFPA 70, National Electrical Code, ~~2008~~ 2014 edition, and requirements established by the manufacturer of the equipment serviced by the wiring.

**210.3(3)** All devices, combinations of devices, and equipment to be installed in conformity with this chapter shall be approved and used for the purposes for which they are intended. Any smoke ~~detector~~ alarm installed on or after April 1, 2010, in compliance with this chapter, including a replacement of an existing ~~detector~~ alarm, shall be a dual sensor smoke ~~detector~~ alarm. If sufficient dual sensor smoke ~~detectors~~ alarms have been installed to comply with the requirements of this chapter, additional smoke ~~detectors~~ alarms which may be other than dual sensor ~~detectors~~ alarms may be installed.

**210.3(4) and 210.3(5)** No change.

**210.3(6)** Single-station battery-operated or battery backup smoke alarms shall be replaced in accordance with the manufacturer’s instructions.

**~~210.3(6)~~ 210.3(7)** Power source.

a. and b. No change.

c. New and replacement smoke alarms installed after July 1, 2016, which receive their primary power from the building wiring where more than one smoke alarm is required to be installed shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms.

**210.3(7) 210.3(8)** The failure of any nonreliable or short-life component which renders the ~~detector~~ alarm inoperative shall be readily apparent to the occupant of the sleeping unit without the need for a test. Each smoke ~~detector~~ alarm shall detect abnormal quantities of smoke that may occur and shall properly operate in the normal environmental condition.

~~210.3(8)~~ 210.3(9) Equipment shall be installed in accordance with the manufacturer's recommendations.

~~210.3(9)~~ 210.3(10) Installed fire warning equipment shall be mounted so as to be supported independently of its attachment to wires.

~~210.3(10)~~ 210.3(11) All apparatus shall be restored to normal immediately after each alarm or test.

~~210.3(11)~~ 210.3(12) Smoke detectors alarms shall be located as follows:

*a. to c.* No change.

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EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 4/13/16.